Dometic

Operating Instructions

Absorption Refrigerator for Recreation Vehicles

RMD 8501 RMD 8505
RMD 8551 RMD 8555

CE e 1

AUS / NZ

MBA 11/2011

N 3

Type C40 / 110
289 0111 - 09

Record for future reference:

Model number .....
Product number .....
Serial number .....

Dometic GROUP

Dometic

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1.0 General

1.1 Introduction

You have made an excellent choice in selecting the **Dometic** Absorption Refrigerator. We are sure that you will be satisfied with your new refrigerator in all respects. The refrigerator, which works silently, meets high quality standards and guarantees the efficient utilisation of resources and energy throughout its entire life cycle, during manufacture, in use and when being disposed of.

1.2 Guide to these operating instructions

Before you start using the refrigerator, please read the operating instructions carefully.

These instructions provide you with the necessary guidance for the proper use of your refrigerator. **Observe in particular the safety instructions.** Observation of the instructions and handling recommendations is important for dealing with the refrigerator safely and for protecting you from injury and the refrigerator from damage. You must understand what you have read before you carry out a task.

Keep these instructions in a safe place close to the refrigerator so they may be referred to at any time.

1.3 Copyright protection

The information, texts and illustrations in these instructions are copyright protected and are subject to industrial property rights.
No part of these instructions may be reproduced, copied or utilised in any other way without written authorisation by Dometic GmbH, Siegen.

1.4 Explanation of symbols used in this manual

Warning notices

Warning notices are identified by symbols. A supplementary text gives you an explanation of the degree of danger.

Observe these warning notices rigorously. You will thus protect yourself and other people from injury, and the appliance from damage.

DANGER!

DANGER **indicates an imminent hazardous situation which, if not avoided, could result in death or serious injury.**

WARNING!

WARNING **indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury**

CAUTION!

CAUTION **indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.**

CAUTION!

CAUTION **(used without the safety alert symbol) indicates a potentially hazardous situation which, if not avoided, may result in damage to the appliance.**

Information

INFORMATION gives you supplementary and useful guidance when dealing with your refrigerator.

Environmental Tips

ENVIRONMENTAL TIPS gives you useful guidance for saving energy and disposal of the appliance.

1.5 Warranty

Warranty arrangements are in accordance with the normal conditions applicable for the country concerned. For warranty or other maintenance, please contact our customer services department. Any damage due to improper use is not covered by the warranty. The warranty does not cover any modifications to the appliance or the use of **non-original Dometic** parts. The warranty does not apply if the installation and operating instructions are not adhered to and no liability shall be entertained.

1.6 Limitation of liability

All information and guidance in these operating instructions were prepared after taking into consideration the applicable standards and regulations as well as the current state of the art. **Dometic** reserves the right to make changes at any time which are deemed to be in the interest of improving the product and safety.
Dometic will assume no liability for damage in the case of :

- non-observation of the operating instructions
- application not in accordance with the regulations or provisions
- use of non-original spare parts
- modifications and interferences to the appliance
- effect of environmental influences, such as
  - temperature fluctuations
  - humidity

1.7 Customer services

Dometic offers a customer service network. . You can obtain the address information of the nearest customer service from **www.dometic.com**. When contacting Dometic Customer Services, please state the model, product number and serial number together with the MLC code, if applicable. You will find this information on the rating plate inside the refrigerator. We recommend that you note this data in the field provided on the front page of this operation manual.

1.8 Spare parts

Parts can be ordered throughout Australia and New Zealand from our service dealer network.

Always give the model and product number when you contact the customer service! You will find this information on the rating plate inside the refrigerator.

1.9 Environmental notices

Refrigerators manufactured by Dometic GmbH are free of CFC/HCFC and HFC. Ammonia (a natural compound of hydrogen and nitrogen) is used in the cooling unit as a coolant. Non-ozone-hazardous cyclopentane is used as a propellant for manufacturing PU foam insulation.

Disposal

In order to ensure that the recyclable packaging materials are re-used, they should be sent to the customary local collection system. The appliance should be transferred to a suitable waste disposal company that will ensure re-use of the recyclable components and proper disposal of the rest. For eco-friendly draining of the coolant from all absorber refrigeration units, a suitable disposal plant should be used.

Energy-saving tips

- At an average ambient temperature of 25°C, it is sufficient to operate the refrigerator at middle thermostat setting.
- Where possible, always store precooled products.
- Do not expose the refrigerator to direct sunlight.
- Ensure that air circulation of the cooling unit is not obstructed.
- Defrosting at regular intervals saves energy (*see section 4.8 "Defrosting").*
- Open the refrigerator door only for a short period of time when removing products.
- Run the refrigerator for about 12 hours before filling it.

2.0 Safety instructions

2.1 Application according to regulations

This refrigerator is designed for installation in recreation vehicles such as caravans or motorhomes.

The refrigerator is to be used solely for storing foodstuffs.

WARNING!

The refrigerator is not suitable for the proper storage of medication. Please observe in addition the instructions in the medication package inserts.

2.2 User's responsibility

Anyone operating the refrigerator must be familiar with the safe handling and understand the advice in these operating instructions.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been given instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. Cleaning and user maintenance shall not be made by children.

2.3 Protection of children when disposing of the equipment

WARNING!

When disposing of the refrigerator, detach all refrigerator doors and leave the storage racks in the refrigerator. In this way inadvertent entrappment and suffocation is prevented.

2.4 Working upon and checking the refrigerator

WARNING!

Work on gas equipment, exhaust system and electrical facilities must be carried out by authorised personnel only. Substantial damage to property and/or injury to persons can arise through unprofessional procedures.

DANGER!

Never use an unshielded flame to check gas bearing parts and pipes for leakage!

There is a danger of fire or explosion.

WARNING!

Never open the absorber cooling unit! It is under high pressure.

There is a danger of injury!

2.5 Information on coolant

Ammonia is used as a coolant.
This is a natural compound also used in household cleaning agents (1 litre of Salmiak cleaner contains up to 200g of ammonia - about twice as much as is used in the refrigerator). Sodium chromate is used for corrosion protection (1.8% by weight of the solvent).

In the event of leakage (easily identifiable from the strong odour), proceed as follows:

- Switch off the appliance.
- Air the room thoroughly.
- Inform authorised customer services.

For your safety it was ascertained in an expert's report that no impairment of health exists when the coolant is discharged.

2.6 Operating the refrigerator with gas

It is imperative that the operating pressure corresponds to the data specified on the rating plate of the appliance. Compare the operating pressure of the rating plate with the data specified on the pressure reducing valve of the liquid gas cylinder.

WARNING!

Operating the appliance with gas is not permitted

- **in garages**
- **at petrol stations**
- **on ferry boats**
- **while transporting the caravan/motorhome by a transporter or breakdown vehicle.**

There is the danger of fire!

Leave the equipment switched off.

2.7 Safety instructions when storing foodstuffs

Instructions for storing food in a refrigerator:

No refrigerator of any kind can improve the quality of the food; refrigerators can only maintain the food's quality for a short duration as from the time of storing it.

Please observe the following particular conditions for storing food in a refrigerator that is built into a vehicle:

- A change in the climatic conditions such as temperature fluctuations
- High temperatures inside the vehicle when it is closed and parked in direct sunlight (temperatures are possible up to 50°C)
- Use of the refrigerator during travel with the power supply of 12V DC
- A refrigerator built in behind a window and exposed to direct sunlight
- Storing the products too soon, i.e. shortly after starting up the appliance for use

Under these particular conditions the refrigerator cannot guarantee reaching the temperature needed for perishables.

Perishables include all products with a stipulated use-by date and a minimum storage temperature of +4°C or less, especially for meat, poultry, fish, sausages, pre-packed foods.

- Pack raw and cooked foods separately (e.g. in containers, aluminium foil, etc.).
- Only remove the outside packaging of single packs if all the necessary information, e.g. the use-by date, can also be read on the single packs.
- Do not leave cooled goods outside the refrigerator for too long.
- Place the foods with the next use-by date at the front, accordingly.
- Pack away any left-over food and eat at the first opportunity.
- Wash your hands before and after handling any food.
- Regularly clean the inside of the refrigerator.

Please observe the instructions and information regarding the use-by date on the outside packaging of the food.

Please observe section *"4.1 Cleaning"* of this instruction.

3.0 Description of model

3.1 Model identification

Example :

RM D 8501

1 = manual energy selection, automatic ignition **(MES)**

5 = automatic and manual energy selection, automatic ignition **(AES)**

1
5

Depth of housing:
0 = standard
5 = + 55mm
6 = + 65mm

4 = Width 486mm
5 = Width 523mm

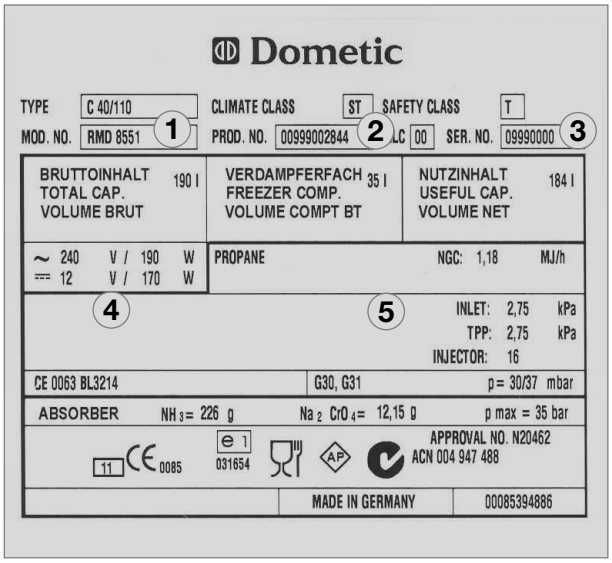
Model range

Double Door Refrigerator

Refrigerator Mobile / Mobile Absorption Refrigerator

3.2 Refrigerator rating plate

The rating plate is to be found on the inside of the refrigerator. It contains all important details of the refrigerator. You can read off from this the model identification, the product number and the serial number. You will need these details whenever you contact the customer service centre or when ordering spare parts.



Example *Fig. 1*

1. Model number
2. Product number
3. Serial number
4. Electrical rating details
5. Gas pressure

3.3 Technical data

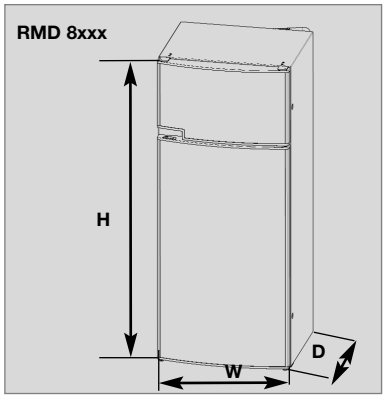


Fig. 2

Model	Dimensions H x W x D (mm) Depth incl. door	Gross capacity with freezer compartment	Rating details mains/battery	Consumption * electricity/gas over 24hrs	Net weight	Ignition Piezo	Ignition Automat
RMD 8501	1245x523x567	160 /30 lit.	190 W / 170 W	ca.3,2 KWh / 380 g	40 kg		•
RMD 8505	1245x523x567	160 /30 lit.	190 W / 170 W	ca.3,2 KWh / 380 g	40 kg		•
RMD 8551	1245x523x622	190 /35 lit.	190 W / 170 W	ca.3,2 KWh / 380 g	41.5 kg		•
RMD 8555	1245x523x622	190 /35 lit.	190 W / 170 W	ca.3,2 KWh / 380 g	41.5 kg		•

Subject to technical changes.

*Average consumption measured at an average ambient temperature of 25°C in pursuance of ISO Standard.

3.4 Description of refrigerator

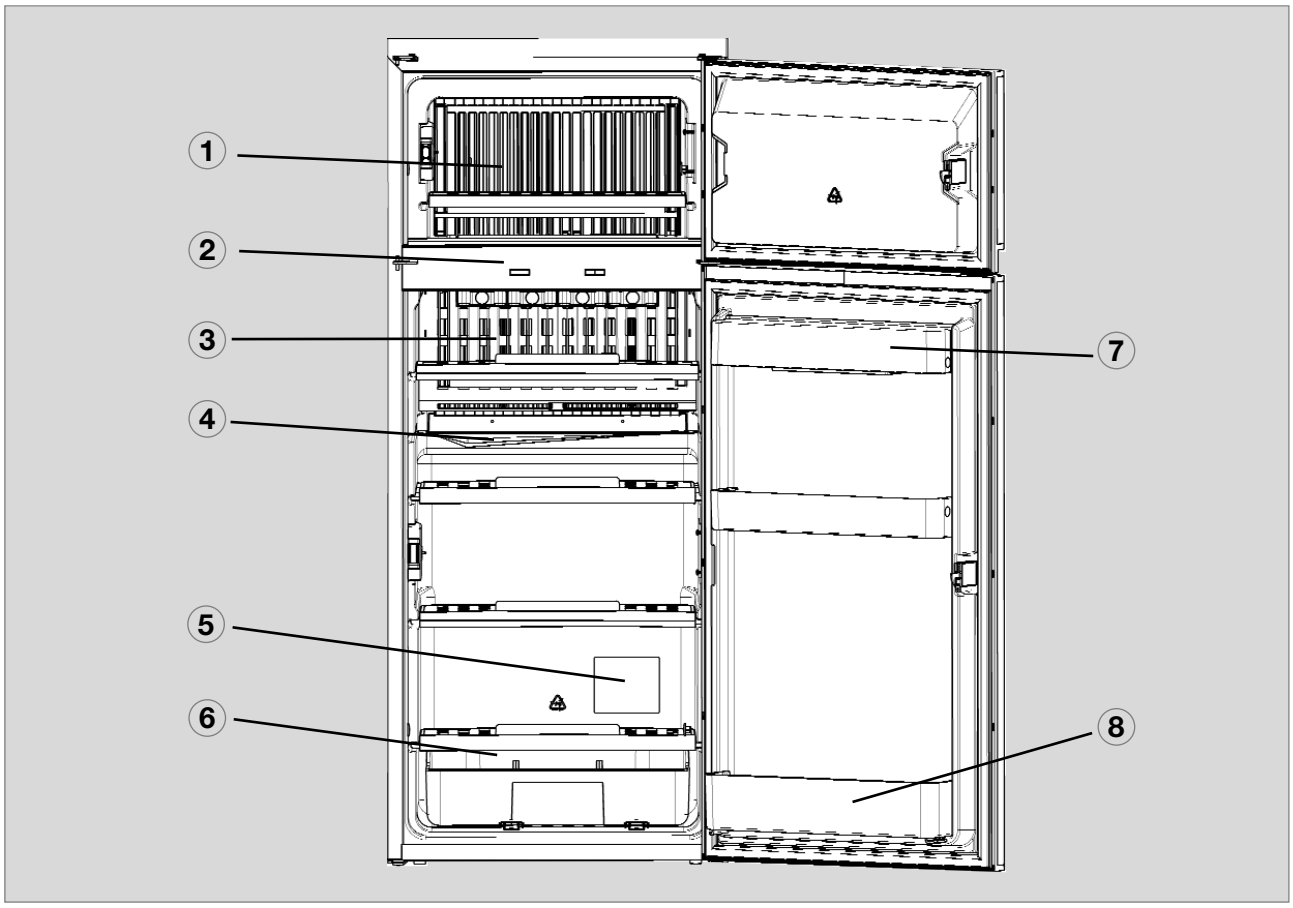


Fig. 3

1. Freezer compartment
2. Operating controls
3. Post-evaporator for cooling compartment
4. Condensation water drain channel
5. Data plate
6. Vegetable bin
7. Upper door shelf with flap, egg shelf available as option may be inserted
8. Lower door shelf with bottle holders

4.0 Refrigerator operation

The refrigerator is equipped to operate on three power modes:

- **Mains voltage (230V AC)**
- **Direct-current voltage (12V DC)**
- **Gas (liquid gas propane/butane)**

Select the desired power mode by the **MODE button** (MES, AES). Appliances with automatic energy selection (**AES**) are additionally provided with "automatic mode" function. The AES system automatically selects the best energy source for each particular situation.

4.1 Cleaning

Before starting up the refrigerator, it is recommended that you clean it inside and repeat this at regular intervals.

Use a soft cloth and lukewarm water with a mild detergent. Then wipe out the appliance with clean water and dry thoroughly.

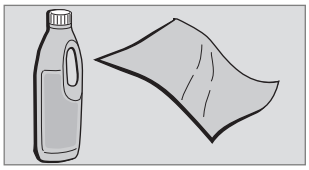


Fig. 4

To avoid material alterations, do not use soap or hard, abrasive or soda-based cleaning agents. Do not allow the door seal to come into contact with oil or grease.

4.2 Maintenance

- **The gas burner must be inspected and cleaned as necessary at least once a year. When using liquefied petroleum gas (tank or refill cylinders) the maintenance interval is reduced to half-yearly or quarterly.**

  Keep the evidence of maintenance work carried out on your refrigerator.

- **Work on gas and electrical equipment shall be carried out by qualified personnel only.**

  It is recommended that this is carried out by an authorised customer services department.

We recommend maintenance following an extended shutdown of the vehicle. Please contact our customer services.

4.3 Explanation of operating controls

Manual energy selection / automatic ignition (RMD 8xx1) MES:

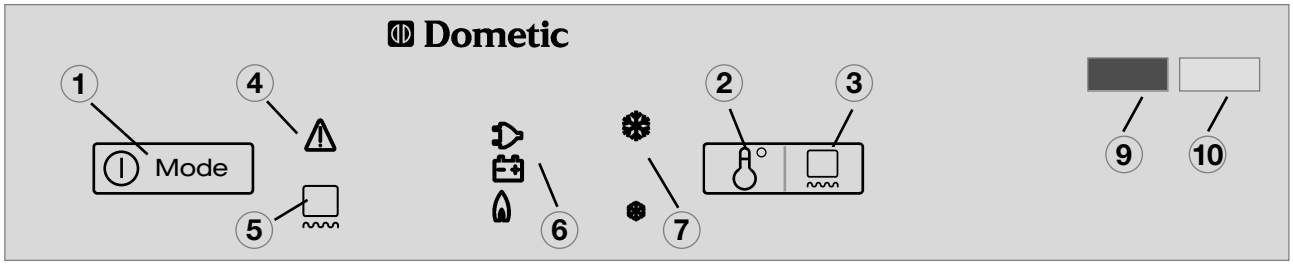


Fig. 5

Automatic energy selection / automatic ignition (RMD 8xx5) AES:

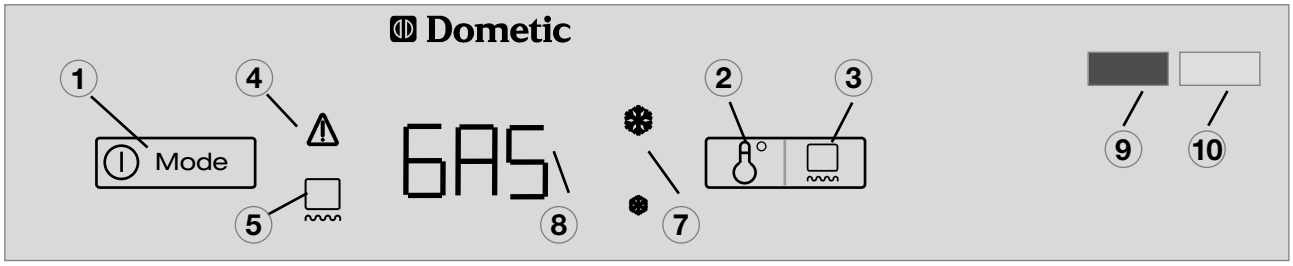


Fig. 6

1. Power On switch / Energy selector switch (**MODE**)
2. Temperature selection
3. Power On switch frame heating
4. Indicator LED failure
5. Indicator LED frame heating
6. Indicator-LED / operating mode display
7. Temperature level display
8. operating mode display (only AES)
9. External display "failure" (red)
10. External display "in operation" (blue)

Explanations:

The refrigerator is equipped to operate on mains power, 12V DC or liquid gas. Select the desired power supply by turning the energy selector switch (1). The energy selector switch (1) has four settings:

- **Off**
- **Mains voltage (230V AC)**
- **Direct-current voltage (Batterie, 12V DC)**
- **Gas (liquid gas propane/butane)**

Switch the refrigerator **ON** or **OFF** by pressing button (1) for **3 seconds**.

Button (1) allows you to either initiate the requested energy supply or activate dimming of the LED brightness. By pushing once, the indicators illuminate for 10 seconds.

Button (3) allows you to switch on the frame-heating in order to avoid a rising of condensed water due to high humidity. During the frame-heating is in operation the indicator LED (5) is illuminating.

4.3.1 Electrical operation

MES Appliances (manual energy selection)

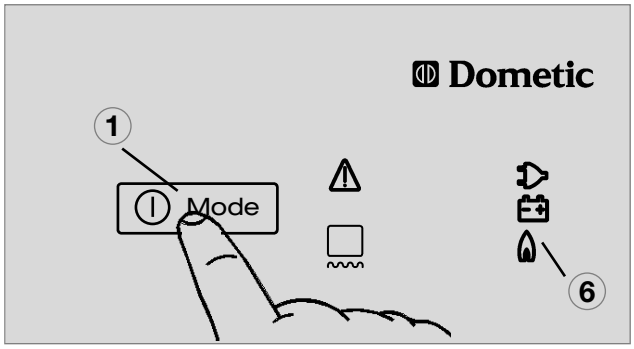
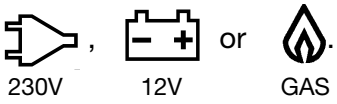


Fig. 7

To start the refrigerator, press button (1) for **3 seconds**. The **LED** (6) of the previously selected operating mode illuminates:



Change the operating mode by pressing button (1) again. The appropriate indicator LED will illuminate.

AES Appliances (automatic energy selection)

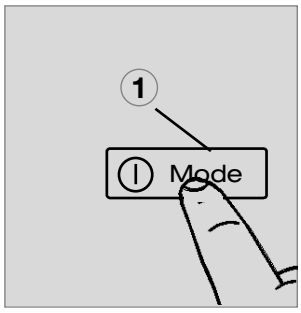


Fig. 8

Fig. 9

To start the refrigerator, press button (1) for **3 seconds**.

The previously selected operating mode is displayed, e.g. **230** which means 230V .

By pressing button (1) again, you may change the operating modes to:

- **AES** (automatic energy selection)
- **230**V,**12**V, **GAS** (manual energy selection)

Upon switching on, the electronics a**utomatically** selects one of the three possible energy types: **230V - 12V - liquid gas**. The control electronics automatically ensures that the refrigerator is supplied with the optimum source of energy in each respective case.

Sequence of priority:
1.) Solar (12V -)
2.) 230V ~
3.) 12V -
4.) Liquid gas

If sufficient mains voltage is available (more than 195 V), this power source is selected as prime option. If a solar system capable of powering the refrigerator is installed, the solar 12V supply takes priority.
The 12V operation is otherwise only effective while the engine is running.

4.3.2 Gas operation (Liquid gas)

- The refrigerator must be operated using liquid gas (**propane, butane**) (**no natural gas or town gas)**. When using LPG gas, please consider that the burner needs cleaning at shorter intervals due to the gas combustion method (2 - 3 times per year recommended
- In Europe, gas operation is permitted while travelling only on the condition that the gas system of the vehicle is equipped with a hose rupture protection. The national regulations of the respective country must be observed.
- For physical reasons, gas ignition faults could occur starting from an altitude above sea level of approx. 3280 ft. / 1000 m (**No malfunction!**)
- On the initial refrigerator start-up or after a cylinder change, air may be trapped in the gas line. To purge the air from the lines, switch on the refrigerator and any other gas appliances (e.g. stove) for a short time. The gas ignites without delay.

WARNING!

As a basic rule, gas operation is prohibited in petrol stations

Prior to starting the refrigerator in gas mode :

- Open the gas cylinder valve.
- Open the shut-off valve for gas supply to the refrigerator.

MES-appliances

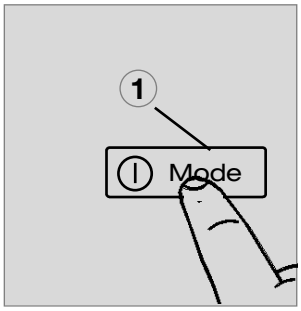


Fig. 10

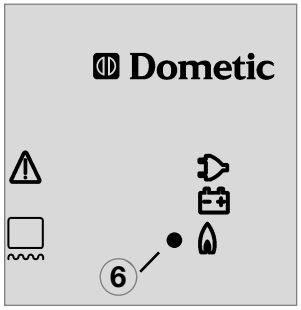


Fig. 11

1. Press button (1) several times until the indicator LED (6) illuminates.

2. The ignition process is activated automatically by means of an automatic igniter.

The ignition system will make 3 ignition attempts with 2 minutes interval when the burner fails to light. If repeated attempts fail to start the operation, a fault is indicated (*please refer to failure indication*).

AES-appliances

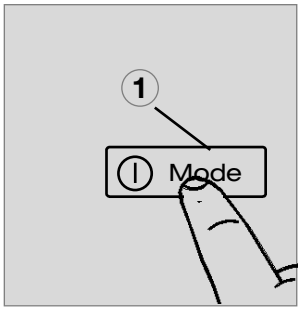


Fig. 12

Fig. 13

Press button (1) several times until the indicator LED (8) **GAS** illuminates.

The device is now in manual gas mode. When you select the automatic mode (the display shows **AES**), **GAS** is only selected as energy option according to the sequence of priority when none of the two electrical types of power supply is available.

Fig. 14

Fig. 15

In automatic mode, **AES** and the currently used type of power supply (e.g. **GAS**) are indicated alternately.

Switching over to a manual energy selection is possible at any time.

Refuelling while in AES mode operation

In order to prevent unintended switching to gas operation during refuelling, the electronic system starts gas operation of the refrigerator after the motor has been turned off for 15 minutes. During this period the appliance is ready for operation ("stand-by"). In automatic mode the "AES" indication only is illuminated.

WARNING!

The use of unshielded flames is prohibited in petrol station environments.

Should the refuelling stop last longer than 15 minutes, the refrigerator has to be switched off or switched over to another energy type.

4.3.3 Setting of cooling compartment temperature

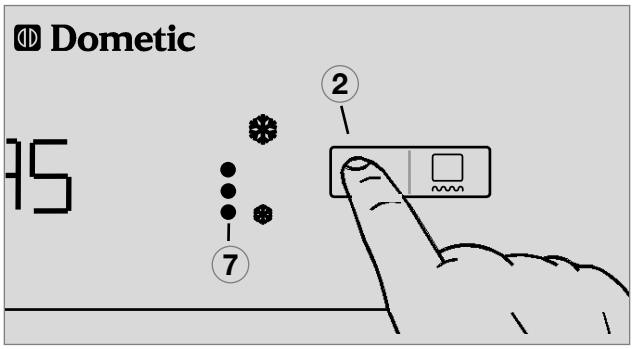


Fig. 16

Select the desired cooling compartment temperature by pressing button (2) .

The LED display (7) of the selected temperature setting is illuminated.

The scale starts with **MIN** position at the bottom LED position (small crystal = highest temperature) and climbs up to **MAX** position at the upper LED position (large crystal = lowest temperature). Note: The temperature levels do not relate to absolute temperature values.

The cooling unit's performance is influenced by ambient temperatures. Please select the medium setting for ambient temperatures between +15°C and +25°C (refer to Fig. 28, temperature level 3). The unit operates within its optimum performance range.

Dometic refrigerators work according to the absorption principle. For physical reasons, an absorption system responds slowly to changes made by the thermostat controller, by loss of cooling energy through opening the door or during storing food. The devices meet the cooling performance requirements of the Climatic Class SN acc. to EN/ISO 7371 in the temperature range of +10°C to +32°C ambient temperature.

For temperatures below +10°C, winter covers should be installed. For ambient temperatures exceeding +32°C for a longer period of time, it is recommended installing Dometic additional fan (i*tem no. 241 2985 - 00*).

4.3.4 Additional features (MES and AES)

- The brightness of the display reduces after a few seconds if no other buttons are pressed.
- If the door is open, the interior lighting is switched off automatically after 2 minutes.
- Failures are indicated by flashing of the failure indicator LED.
- Should the door be kept open for too long (more than 2 minutes), the blue external LED starts flashing until the door is closed. **Only with AES models** an acoustic signal is initiated (pulsing whistle tone).
- Should the electronic control detect any failure, an acoustic signal will sound (pulsing whistle tone) for 60 seconds (**only with AES models)**. It is repeated every hour, if the fai lure ist not resolved. At the same time the display starts flashing (for trouble-shooting, please refer to *section 4.13*).

4.4 Frame heating

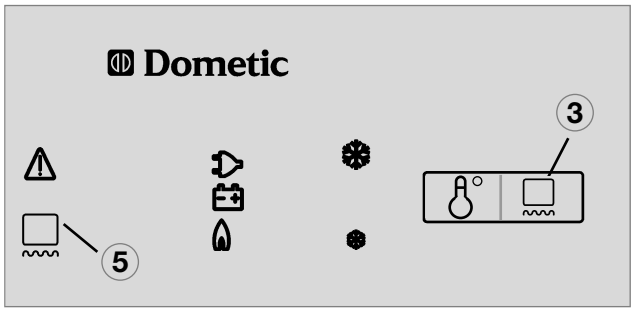


Fig. 17

All models are equipped with a frame heating (12VDC/3,5W) around the freezer compartment. During summer months with high temperatures and humidity the metal frame may have water droplets forming. To evaporate these droplets switch on the frame heating with switch (3). The LED (5) indicates that the heating is on.

The frame heating is in operation with a presetting of 2 hours and switched off afterwards automatically. The frame heating can be deactivated every time by pressing the button (3).

4.5 Door locking

4.5.1 Manual doorlock

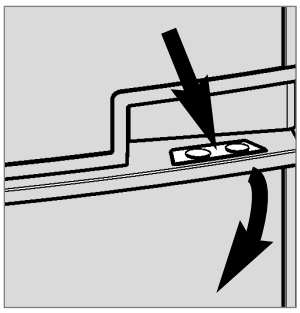


Fig. 18

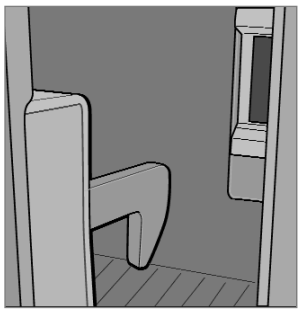


Fig. 19

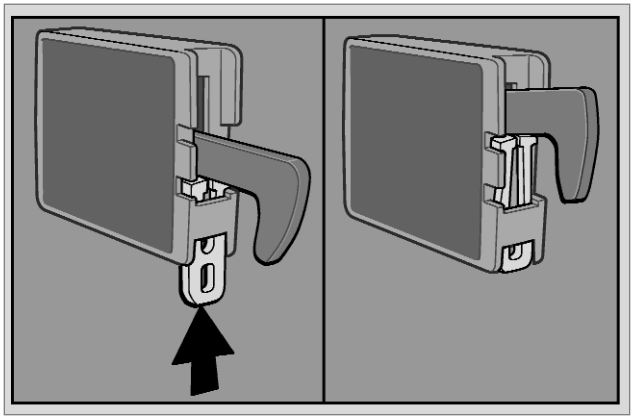
Open the door by pressing the locking button and pull open (see Fig. 28).

Shut the door again by pushing it to close. The snapping into the lock can be heard.

While the vehicle is parked, the locking hook may be fixed to facilitate opening of the door (Fig. 20-21).

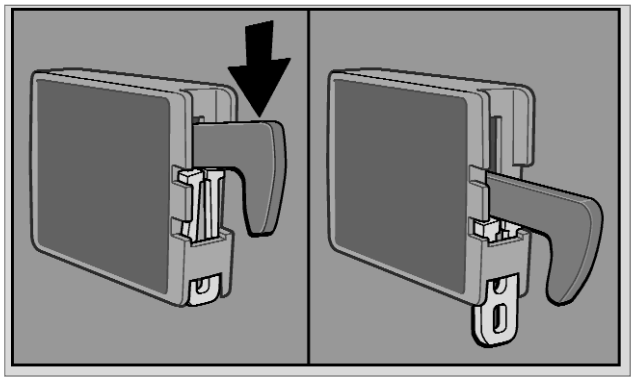
4.5.2 Fastening and releasing the doorlock hook when parking the vehicle

If the vehicle is parked for a longer period of time, the locking hook may be clamped by means of a lockbar. The door may now be opened by just pulling it without need of pressing the locking button.



Fastening

Fig. 20



Releasing *Fig. 21*

CAUTION!

As a basic rule, shut and lock the refrigerator before you start your journey!

4.6 Lighting

If the door is open for more than 2 minutes, the sensor-controlled interior lighting is automatically cut off.

AES-Models : Should the door be kept open more than 2 minutes, an acoustic signal is initiated (pulsing whistle tone).

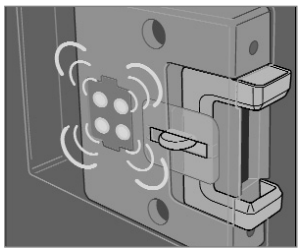


Fig. 23

Please contact the authorized Dometic Service if a failure occurs.

4.7 Positioning the storage racks

The storage racks may be pulled out by loosening the two locking devices (1) underneath. For loosening pull the slider to the middle, for fastening pull them sidewards.

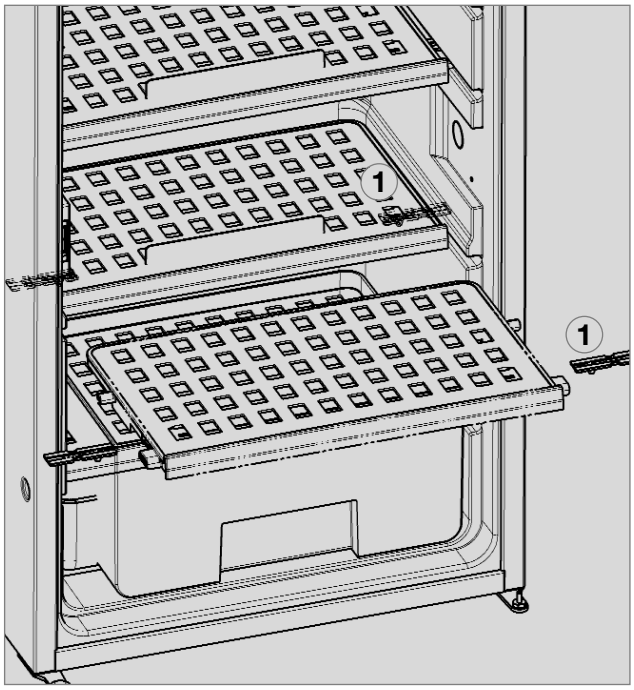


Fig. 22

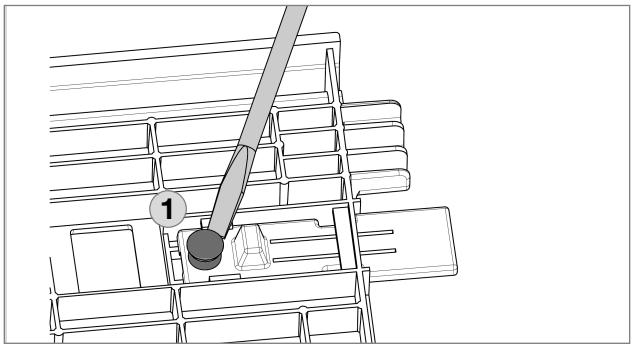


Fig. 23

Two of the storage racks are secured. In this way inadvertent entrappment and suffocation of children is prevented, if the storage racks are removed. To protect children it must be avoided to create space for children in the cooling compartment.

WARNING!

Do not remove these storage racks. Thus children have no space to be entrapped in the refrigerator.

If it is necessary to remove these storage racks (i.e. for cleaning) loosen the locking pins (1) at first as shown, by means of a suitable screw driver. Put in place the locking pins after removing the storage racks.

4.8 Storing food and making ice cubes

4.8.1 Storing food in the cooling compartment

- Switch the refrigerator on approx. 12 hours before filling it.
- Always store pre-cooled foods in the refrigerator. Make sure that the food is well cooled when it is bought and also when transporting it. Use insulated cooling bags.
- Open the refrigerator door only for a short period of time when removing products.
- Products must be packed - best of all in closed containers, wrapped in aluminium foil or similar - and stored separately from each other, in order to prevent drying out or odours.
- Allow foods that have been warmed up to cool down before storing.
- Avoid storing products in the refrigerator that could emit volatile flammable gases.
- Do not expose the refrigerator to direct sun light. Please bear in mind that the temperature inside a closed vehicle increases sharply if exposed to sunlight and that this can reduce the efficiency of the refrigerator.
- Ensure that air circulation of the cooling unit is not obstructed. Keep the ventilation grilles free from obstructions.

4.8.2 Storing food in the freezer compartment

- Do not keep carbonated drinks in the freezer.
- The freezer compartment is suitable for making ice cubes and for short-term storage of frozen food. It is not suitable as a means of freezing foods.

When ambient temperatures are lower than +10°C and the refrigerator is exposed to these temperatures for extended periods of time, an even regulation of freezer temperature cannot be guaranteed for system-related reasons. This can cause the temperature in the freezer to rise and the stored goods to melt.

4.8.3 Making ice cubes

Ice cubes are best frozen overnight. At night, the refrigerator has less work to do and the unit has more reserves.

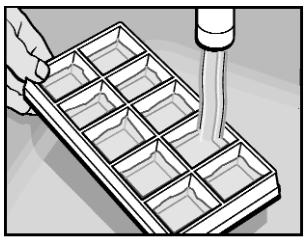


Fig. 24

1. Fill the ice cube tray with drinking water.

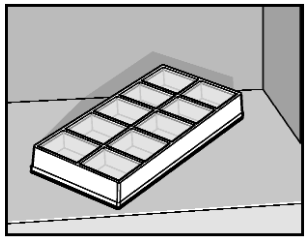


Fig. 25

2. Place the ice cube tray in the freezer compartment.

WARNING!

Only use drinking water!

4.9 Shutting off the refrigerator

- Press the **"MODE"** (s. 4.3) button to switch off MES and AES models. Keep button pressed for 3 seconds. The display disappears and the appliance is fully switched off .
- Release the locking mechanism (Fig. 26-27) of the door lock by pushing it and shift it to the front. If the door is shut in this position, a small gap is nevertheless kept open to prevent formation of mildew.

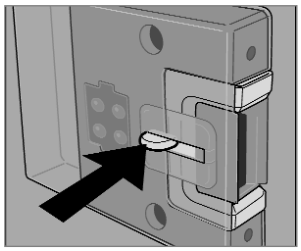


Fig. 26

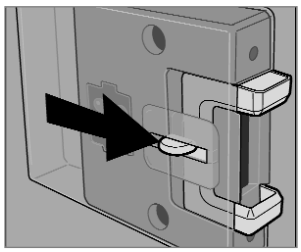


Fig. 27

- If the refrigerator is to be taken out of service for an extended period of time, close the onboard shut-off valve and the cylinder valve.

4.10 Defrosting

As time goes by, frost builds up on the fins inside the refrigerator. A layer of frost thicker on one side may occur and does not represent a malfunction. When this layer of frost is about 3 mm thick, the refrigerator should be defrosted.

- Switch off the refrigerator, as described in section *4.9 Shutting of the refrigerator*.
- Remove all food and the ice cube tray.
- Leave the refrigerator door open to allow air to enter and to prevent formation of mildew.
- After defrosting (freezer compartment and fins free of frost), wipe both cooling compartments dry with a cloth.

Note: Water thawing in the main compartment of the refrigerator runs into an appropriate container at the back of the refrigerator. From there, the water evaporates.

CAUTION!

The layer of ice must never be removed forcibly, nor may defrosting be accelerated using a heat source!

4.11 Winter operation

In winter, check that the ventilation grilles and the exhaust duct system (1) have not been blokked by snow, leaves, etc.

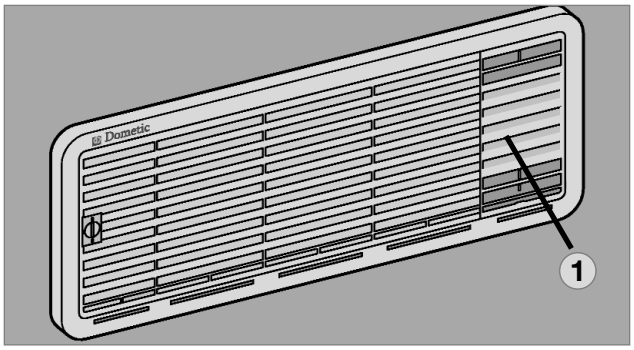


Fig. 28

When the outside temperature falls below **+10°C**, the **winter cover** (2) should be fitted. This protects the unit from excessively cold air which could have adverse effects on the performance of the unit

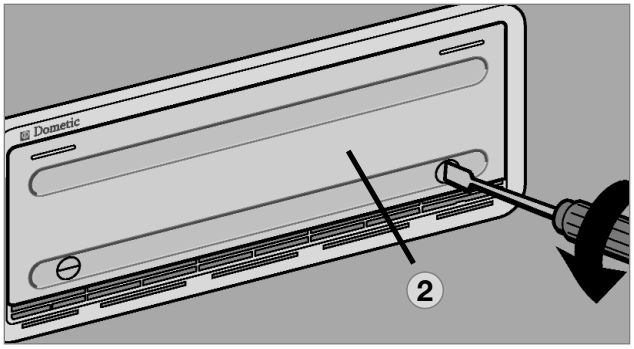


Fig. 29

You should also attach the winter cover if the vehicle is taken out of service for a longer period of time or while it is being cleaned from the outside

4.12 Changing the decor panel

Decor panel with frame

- Remove the lateral ledge (1) from the door (ledge is attached, not screwed).
- Shift decor panel (2) away from the door and insert the new decor panel. Re-attach ledge (1) .

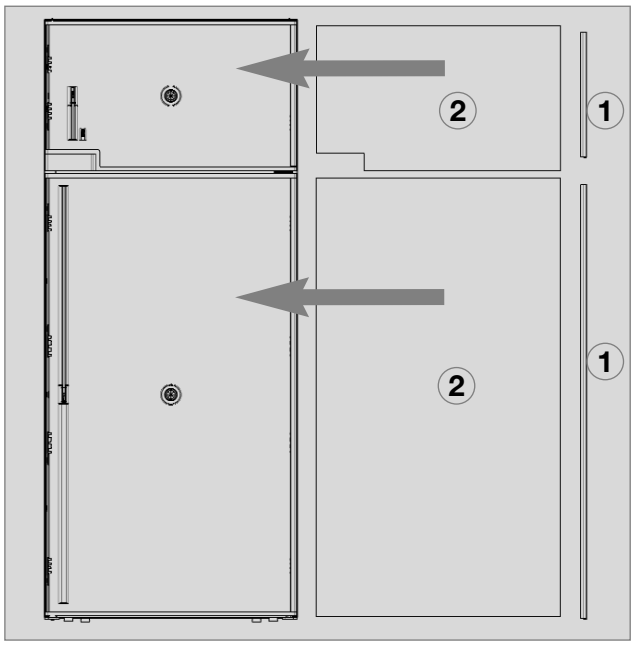


Fig. 30

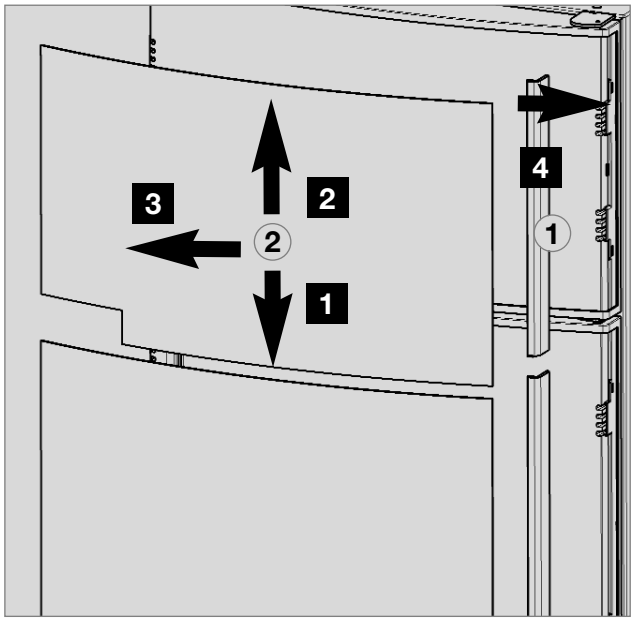


Fig. 31

CAUTION!

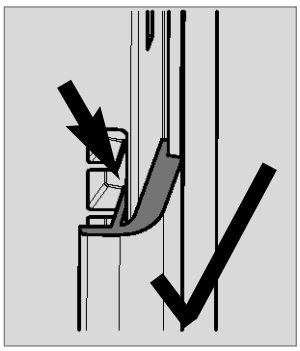


Fig. 32

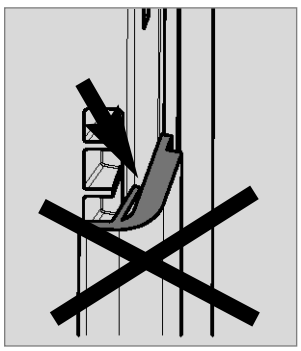


Fig. 33

Frameless decor panel

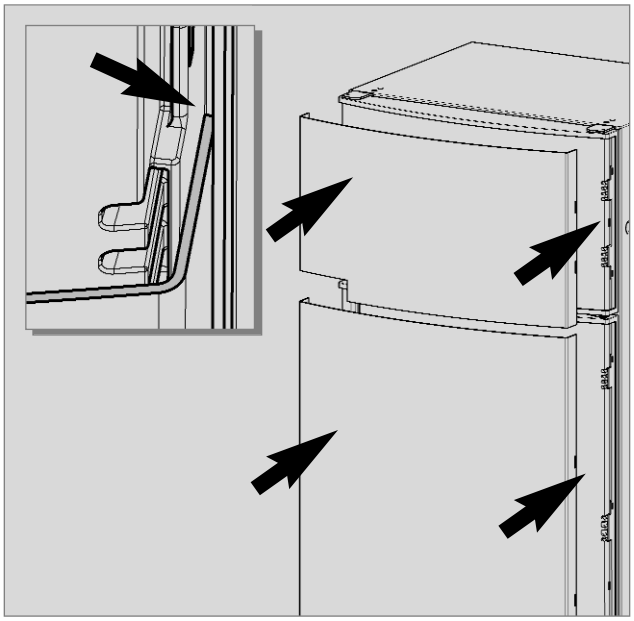


Fig. 34

Decor panel dimensions :

Upper door

Height	Width	Thickness
300 +/- 1 mm	507,5 +/- 1 mm	max. 1.7 mm

Lower door

Height	Width	Thickness
907,4 +/- 1 mm	507,5 +/- 1 mm	max. 1.7 mm

4.13 Information on failure display and trouble-shooting

- If a malfunction occurs, the indicator LED "Failure" (1) flashes and LED (2) simultane ously. In the case of AES models an acoustic alarm sounds for 60 s. If the failure is not resolved, it repeats after 1 h.

4.13.1 Status messages on the display

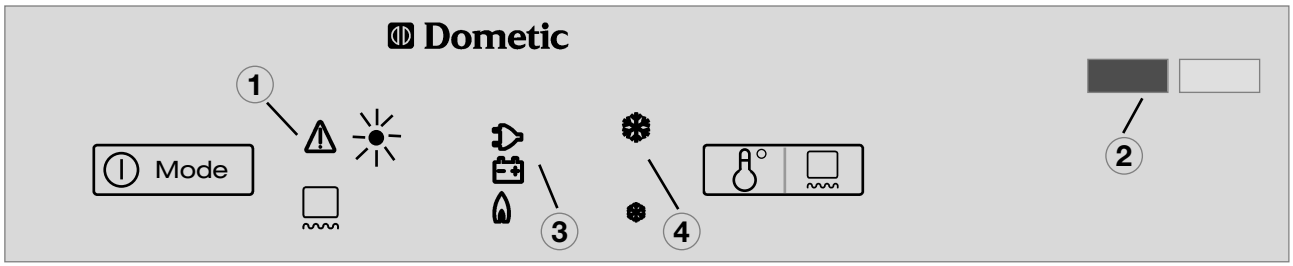


Fig. 35

(1) + (2) = Indicator LED failure
(3) = Operating mode display
(4) = Temperature level display

Display :		Failure :
MES	**AES**	
LED is flashing	**"230"** is flashing	**230V mode:** "230V" not available or voltage too low
LED is flashing	**"12"** is flashing	**12V mode:** "12V" not available or voltage too low
LED is flashing	**"GAS"** is flashing	**GAS/Auto mode:** Flame not ignited
All temperature setting LEDs are flashing	All temperature setting LEDs are flashing	Temperature sensor defective, refrigerator works on mid temperature setting
LED + all temperature setting LEDs are flashing	**"HE1"** is flashing	230V - Heating element defective
LED + all temperature setting LEDs are flashing	**"HE2"** is flashing	12V - Heating element defective

4.13.2 Troubleshooting

Before notifying the authorised Service Center, please check whether:

- the instructions in section "Operating the refrigerator" have been observed.
- the refrigerator stands level.
- it is possible to operate the refrigerator with any available power source.

Failure: The refrigerator does not cool sufficiently.

Possible cause	Action you can take
Inadequate ventilation to the unit.	Check that the ventilation grilles are not covered.
Thermostat setting is too low.	Set thermostat to a higher level.
The condenser is heavily frosted.	Check that the refrigerator door closes properly.
Too much warm food has been stored inside within short period of time.	Allow warm food to cool down before storage.
The appliance has been running for only a short period of time.	Check whether the cooling compartment works after approx. 4 - 5 hours.
Ambient temperatures too high.	Regularly remove ventilation grilles.

Failure: The refrigerator does not cool in gas operation mode.

Possible cause	Action you can take
Gas cylinder empty.	Change gas cylinder.
Is the upstream shut-off device open ?	Open shut-off device.
Air in the gas pipe ?	Switch off the appliance and start again. Repeat this procedure 3 - 4 times, if necessary.

Failure: The refrigerator does not cool in 12V operation.

Possible cause	Action you can take
On-board fuse defective.	Fit new fuse.
On-board battery discharged.	Check battery, charge it.
Engine not running.	Start engine.
Heating element defective (please also refer to failure indication).	Please inform the Dometic Customer Services.

Failure: The refrigerator does not cool in 230V operation.

Possible cause	Action you can take
On-board fuse defective.	Fit new fuse.
Vehicle not connected to mains supply voltage.	Make a connection to a mains power supply.
AES: Gas operation despite connection to the mains supply voltage?	Appliance switches to gas operation due to insufficient mains supply voltage (automatically switches back to 230V operation).
Heating element defective (please also refer to failure indication).	Please inform the Dometic Customer Services.

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